



July 2009

DEPARTMENT OF EDUCATION
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 8

Test Date: March 2009
Code: 11031303
SAU: Mechanic Falls School Dept
School: Elm Street School-Mechanic Fal

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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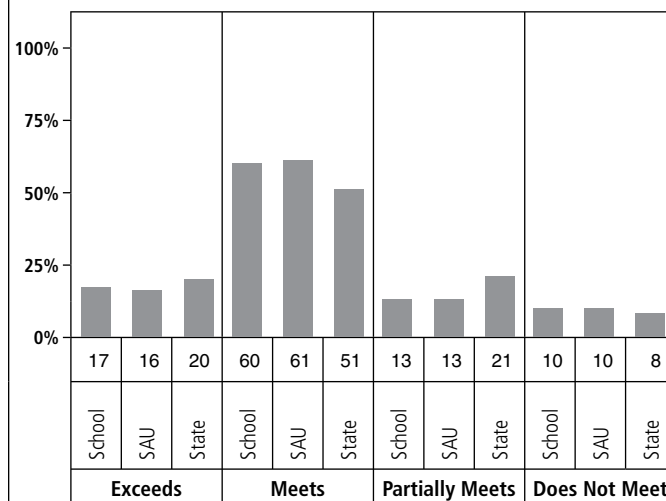
SUMMARY OF SCORES

Test Date: March 2009
Grade: 8
SAU: Mechanic Falls School Dept
School: Elm Street School-Mechanic Fal

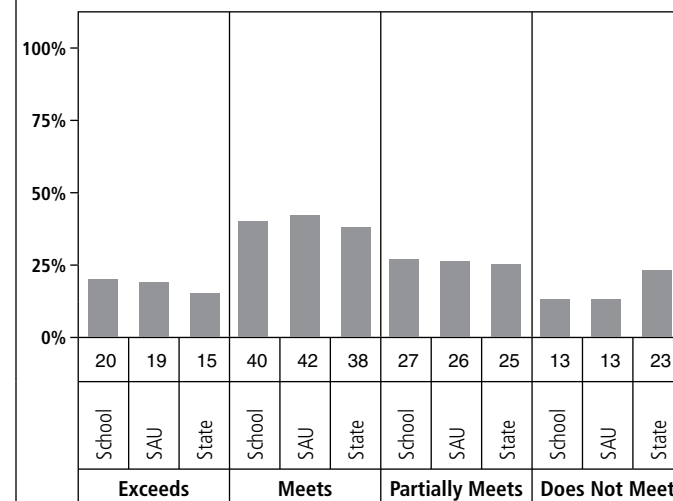
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	854	854	847
2007–2008	845	845	849
2008–2009	850	850	850
Cum. Avg.*	849	849	849
Mathematics			
2006–2007	848	848	842
2007–2008	838	838	841
2008–2009	847	847	843
Cum. Avg.*	843	843	842
Science			
2008–2009 **	849	849	846

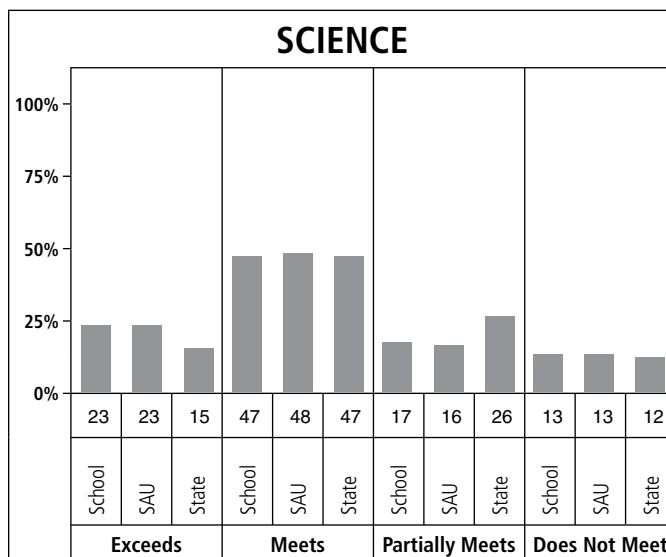
ELA – READING



MATHEMATICS



SCIENCE



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

** Because science standards were reset in May 2009, no historical data are available

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009
Grade: 8
SAU: Mechanic Falls School Dept
School: Elm Street School-Mechanic Fal

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																	
							ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	32	100	33	100	14804	100	32	100	33	100	14659	99	32	100	33	100	14653	99	32	100	33	100	14626	99
Ethnicity African American/Black	0	0	0	0	377	3	0	0	0	0	366	97	0	0	0	0	371	98	0	0	0	0	367	97
American Indian or Native Alaskan	0	0	0	0	119	1	0	0	0	0	117	99	0	0	0	0	115	97	0	0	0	0	116	98
Asian or Pacific Islander	0	0	0	0	238	2	0	0	0	0	232	97	0	0	0	0	234	98	0	0	0	0	234	98
Hispanic	0	0	0	0	192	1	0	0	0	0	188	98	0	0	0	0	191	100	0	0	0	0	190	99
Caucasian/White	32	100	33	100	13878	94	32	100	33	100	13756	99	32	100	33	100	13742	99	32	100	33	100	13719	99
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Identified disability	7	22	7	21	2489	17	7	100	7	100	2434	99	7	100	7	100	2424	98	7	100	7	100	2418	98
Current LEP	0	0	0	0	349	2	0	0	0	0	331	95	0	0	0	0	342	98	0	0	0	0	338	97
Economically disadvantaged	14	44	15	45	5460	37	14	100	15	100	5380	99	14	100	15	100	5377	99	14	100	15	100	5359	98
Migrant	0	0	0	0	6	0	0	0	0	0	6	100	0	0	0	0	6	100	0	0	0	0	6	100

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	26	81	27	82	12132	82	26	81	27	82	12124	82	26	81	27	82	12169	82
Identified disability (PET/IEP)	1	4	1	4	379	3	1	4	1	4	380	3	1	4	1	4	425	3
LEP	0	0	0	0	166	1	0	0	0	0	169	1	0	0	0	0	168	1
504 plan	0	0	0	0	200	2	0	0	0	0	200	2	0	0	0	0	202	2
Participation with accommodations	4	13	4	12	2349	16	4	13	4	12	2347	16	4	13	4	12	2288	15
Identified disability (PET/IEP)	4	100	4	100	1877	80	4	100	4	100	1862	79	4	100	4	100	1824	80
LEP	0	0	0	0	158	7	0	0	0	0	167	7	0	0	0	0	165	7
504 plan	0	0	0	0	70	3	0	0	0	0	70	3	0	0	0	0	66	3
Other	0	0	0	0	292	12	0	0	0	0	297	13	0	0	0	0	280	12
Participation through alternate assessment (PAAP)	2	6	2	6	178	1	2	6	2	6	182	1	2	6	2	6	169	1
Identified disability (PET/IEP)	2	100	2	100	178	100	2	100	2	100	182	100	2	100	2	100	169	100
LEP	0	0	0	0	7	4	0	0	0	0	6	3	0	0	0	0	5	3
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approved non-participation in reading – 1st year LEP	0	0	0	0	0	0												
Approved non-participation – special consideration	0	0	0	0	32	0	0	0	0	0	34	0	0	0	0	0	38	0
Non-participation – other	0	0	0	0	113	1	0	0	0	0	117	1	0	0	0	0	140	1

¹Percents are the percentage of students enrolled in each participation category.

²Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2009
Grade: 8
SAU: Mechanic Falls School Dept
School: Elm Street School-Mechanic Fal

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 862–880)	2006-2007	10	33	10	33	2407	16
	2007-2008	6	13	6	13	3428	23
	2008-2009	5	17	5	16	2857	20
	Cum. Total*	21	20	21	20	8692	19
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 842–860)	2006-2007	16	53	16	53	7494	49
	2007-2008	24	52	24	52	7179	48
	2008-2009	18	60	19	61	7431	51
	Cum. Total*	58	55	59	55	22104	49
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 830–840)	2006-2007	3	10	3	10	3628	24
	2007-2008	7	15	7	15	2706	18
	2008-2009	4	13	4	13	2979	21
	Cum. Total*	14	13	14	13	9313	21
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 800–828)	2006-2007	1	3	1	3	1810	12
	2007-2008	9	20	9	20	1611	11
	2008-2009	3	10	3	10	1214	8
	Cum. Total*	13	12	13	12	4635	10

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	56	100	35.9	64.1	36.0	64.3	35.5	63.4
A1/A2 Interconnected Elements/Literary Text	20	36	11.9	59.5	12.0	60.0	12.3	61.5
A1/A3/4 Interconnected Elements/Informational Text/Persuasive Text	36	64	23.9	66.4	24.0	66.7	23.2	64.4

The MEA measures student achievement of the interconnected elements of the reading process based on questions related to literary and informational/persuasive reading passages. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:
<http://www.maine.gov/education/lres/pei/index.html>.



ELA-READING RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 8
 SAU: Mechanic Falls School Dept
 School: Elm Street School-Mechanic Fal

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	30	5	17	18	60	4	13	3	10	850	31	16	61	13	10	850	14481	20	51	21	8	850
Ethnicity																						
African American/Black	0										0						362	8	43	29	20	843
American Indian or Native Alaskan	0										0						116	10	46	26	18	843
Asian or Pacific Islander	0										0						231	28	43	19	10	851
Hispanic	0										0						186	17	48	23	12	847
Caucasian/White	30	5	17	18	60	4	13	3	10	850	31	16	61	13	10	850	13586	20	52	20	8	850
Not Reported	0										0						0					
Identified disability																						
Yes	5	0	0	2	40	1	20	2	40	832	5	0	40	20	40	832	2256	2	25	40	34	834
No	25	5	20	16	64	3	12	1	4	854	26	19	65	12	4	854	12225	23	56	17	4	853
Current LEP																						
Yes	0										0						324	5	34	36	26	838
No	30	5	17	18	60	4	13	3	10	850	31	16	61	13	10	850	14157	20	52	20	8	850
Economically disadvantaged																						
Yes	12	0	0	9	75	3	25	0	0	849	13	0	77	23	0	849	5277	10	46	29	15	844
No	18	5	28	9	50	1	6	3	17	851	18	28	50	6	17	851	9204	26	54	16	5	853
Migrant																						
Yes	0										0						5	0	40	60	0	841
No	30	5	17	18	60	4	13	3	10	850	31	16	61	13	10	850	14476	20	51	21	8	850
Gender																						
Female	13	3	23	8	62	2	15	0	0	857	14	21	64	14	0	857	7074	25	51	18	6	852
Male	17	2	12	10	59	2	12	3	18	845	17	12	59	12	18	845	7407	14	51	23	11	847
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	2										2						857	9	43	35	14	843
No	28	5	18	16	57	4	14	3	11	851	29	17	59	14	10	851	13624	20	52	20	8	850
Gifted/talented program																						
Yes	4										4						700	69	30	1	0	867
No	26	3	12	16	62	4	15	3	12	848	27	11	63	15	11	848	13781	17	52	22	9	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA-READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 8
SAU: Mechanic Falls School Dept
School: Elm Street School-Mechanic Fal

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	10	0	0	1	33	2	67	0	0	839	10	0	33	67	0	839	8	8	39	29	24	841
B. less than one hour	77	5	22	15	65	1	4	2	9	853	74	22	65	4	9	853	51	17	53	22	8	849
C. one to two hours	10	0	0	2	67	0	0	1	33	847	13	0	75	0	25	849	36	24	52	18	5	852
D. more than two hours	3	0	0	0	0	1	100	0	0	832	3	0	0	100	0	832	5	29	45	18	9	852
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	37	4	36	4	36	3	27	0	0	857	35	36	36	27	0	857	31	35	50	11	4	856
B. good	43	1	8	10	77	1	8	1	8	850	42	8	77	8	8	850	47	16	55	21	7	849
C. fair	17	0	0	3	60	0	0	2	40	835	19	0	67	0	33	838	18	5	47	33	15	842
D. poor	3	0	0	1	100	0	0	0	0	852	3	0	100	0	0	852	3	2	39	37	22	839
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	33	1	10	7	70	2	20	0	0	848	35	9	73	18	0	849	32	27	54	14	5	853
B. They match some of what I have learned.	50	4	27	9	60	1	7	1	7	856	48	27	60	7	7	856	52	18	53	22	8	850
C. They match just a little of what I have learned.	7	0	0	2	100	0	0	0	0	853	6	0	100	0	0	853	12	11	45	29	15	844
D. There is no match.	10	0	0	0	0	1	33	2	67	827	10	0	0	33	67	827	4	6	34	33	26	838
How difficult was the reading part of this test?																						
A. more difficult than my regular schoolwork	17	0	0	0	0	2	40	3	60	824	16	0	0	40	60	824	15	13	42	28	17	844
B. about the same as my regular schoolwork	70	4	19	15	71	2	10	0	0	856	71	18	73	9	0	855	64	19	53	20	7	850
C. easier than my regular schoolwork	13	1	25	3	75	0	0	0	0	856	13	25	75	0	0	856	22	25	52	16	6	852
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	17	0	0	1	20	2	40	2	40	832	17	0	20	40	40	832	8	6	34	34	26	838
B. Most of the passages were about the same as what I normally read.	45	1	8	9	69	2	15	1	8	849	47	7	71	14	7	850	52	14	54	24	8	848
C. Most of the passages were easier than what I normally read.	38	4	36	7	64	0	0	0	0	859	37	36	64	0	0	859	40	30	53	13	4	855
How hard did you try on the reading part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	60	3	17	10	56	4	22	1	6	851	61	16	58	21	5	851	39	19	50	22	9	849
B. I tried about the same as I do on my regular schoolwork.	40	2	17	8	67	0	0	2	17	849	39	17	67	0	17	849	54	21	53	19	7	851
C. I did not try as hard on this test as I do on my regular schoolwork.	0										0						7	12	46	27	15	845
How much time do you spend reading at home each day?																						
A. more than one hour	10	1	33	0	0	2	67	0	0	849	10	33	0	67	0	849	19	26	53	15	6	853
B. 20 minutes to an hour	63	4	21	14	74	1	5	0	0	856	65	20	75	5	0	856	40	25	52	17	6	852
C. less than 20 minutes	13	0	0	3	75	0	0	1	25	846	13	0	75	0	25	846	15	18	51	21	10	849
D. I rarely read at home.	13	0	0	1	25	1	25	2	50	827	13	0	25	25	50	827	26	7	50	30	13	844
How do you feel about the following statement?																						
"My knowledge of reading will be useful to me as an adult."																						
A. strongly agree	43	2	15	6	46	4	31	1	8	850	42	15	46	31	8	850	42	27	51	15	6	853
B. agree	47	2	14	10	71	0	0	2	14	848	48	13	73	0	13	849	50	15	53	23	9	848
C. disagree	3	0	0	1	100	0	0	0	0	858	3	0	100	0	0	858	7	8	46	32	14	843
D. strongly disagree	7	1	50	1	50	0	0	0	0	861	6	50	50	0	0	861	2	6	39	35	21	840
Optional school/SAU question																						
A.	33	0	0	0	0	1	100	0	0	834	33	0	0	100	0	834						
B.	33	0	0	0	0	0	0	1	100	820	33	0	0	0	100	820						
C.	0										0											
D.	33	0	0	0	0	1	100	0	0	832	33	0	0	100	0	832						

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
N = Number

MATHEMATICS RESULTS

Test Date: March 2009
Grade: 8
SAU: Mechanic Falls School Dept
School: Elm Street School-Mechanic Fal

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 862–880)	2006-2007	4	13	4	13	1952	13
	2007-2008	5	11	5	11	1657	11
	2008-2009	6	20	6	19	2116	15
	Cum. Total*	15	14	15	14	5725	13
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 842–860)	2006-2007	19	63	19	63	5870	38
	2007-2008	17	37	17	37	5956	40
	2008-2009	12	40	13	42	5443	38
	Cum. Total*	48	45	49	46	17269	39
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 830–840)	2006-2007	5	17	5	17	3982	26
	2007-2008	10	22	10	22	3729	25
	2008-2009	8	27	8	26	3556	25
	Cum. Total*	23	22	23	21	11267	25
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 800–828)	2006-2007	2	7	2	7	3534	23
	2007-2008	14	30	14	30	3579	24
	2008-2009	4	13	4	13	3356	23
	Cum. Total*	20	19	20	19	10469	23

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Mathematics Total Points	56	100	31.1	55.5	31.1	55.5	28.6	51.1
A. Number	8	14	4.3	53.8	4.3	53.8	3.7	46.3
B. Data	16	29	9.9	61.9	9.9	61.9	8.9	55.6
C. Geometry	12	21	5.5	45.8	5.5	45.8	5.0	41.7
D. Algebra	20	36	11.4	57.0	11.4	57.0	10.9	54.5

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.

MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 8
 SAU: Mechanic Falls School Dept
 School: Elm Street School-Mechanic Fal

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	30	6	20	12	40	8	27	4	13	847	31	19	42	26	13	847	14471	15	38	25	23	843
Ethnicity																						
African American/Black	0										0						367	6	24	26	44	831
American Indian or Native Alaskan	0										0						114	5	31	32	32	836
Asian or Pacific Islander	0										0						233	27	33	20	21	847
Hispanic	0										0						190	8	31	26	34	836
Caucasian/White	30	6	20	12	40	8	27	4	13	847	31	19	42	26	13	847	13567	15	38	25	22	843
Not Reported	0										0						0					
Identified disability																						
Yes	5	0	0	1	20	2	40	2	40	834	5	0	20	40	40	834	2242	2	12	22	63	824
No	25	6	24	11	44	6	24	2	8	849	26	23	46	23	8	849	12229	17	42	25	16	846
Current LEP																						
Yes	0										0						336	6	18	26	51	829
No	30	6	20	12	40	8	27	4	13	847	31	19	42	26	13	847	14135	15	38	25	23	843
Economically disadvantaged																						
Yes	12	2	17	5	42	5	42	0	0	848	13	15	46	38	0	848	5270	6	30	28	36	835
No	18	4	22	7	39	3	17	4	22	846	18	22	39	17	22	846	9201	20	42	22	16	847
Migrant																						
Yes	0										0						5	0	0	40	60	828
No	30	6	20	12	40	8	27	4	13	847	31	19	42	26	13	847	14466	15	38	25	23	843
Gender																						
Female	13	3	23	6	46	4	31	0	0	849	14	21	50	29	0	849	7070	15	39	25	22	843
Male	17	3	18	6	35	4	24	4	24	845	17	18	35	24	24	845	7401	14	36	25	25	842
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	2										2						857	5	25	33	37	835
No	28	6	21	12	43	6	21	4	14	847	29	21	45	21	14	847	13614	15	38	24	22	843
Gifted/talented program																						
Yes	4										4						700	68	27	3	1	866
No	26	3	12	11	42	8	31	4	15	843	27	11	44	30	15	844	13771	12	38	26	24	841

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
 Grade: 8
 SAU: Mechanic Falls School Dept
 School: Elm Street School-Mechanic Fal

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	10	0	0	2	67	1	33	0	0	849	10	0	67	33	0	849	8	8	24	24	44	833
B. less than one hour	77	5	22	9	39	7	30	2	9	848	74	22	39	30	9	848	51	12	38	26	23	842
C. one to two hours	10	1	33	1	33	0	0	1	33	848	13	25	50	0	25	848	36	19	40	23	19	845
D. more than two hours	3	0	0	0	0	0	0	1	100	810	3	0	0	0	100	810	5	19	36	22	23	844
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	23	4	57	2	29	0	0	1	14	855	23	57	29	0	14	855	28	33	41	15	11	852
B. good	40	1	8	8	67	3	25	0	0	852	42	8	69	23	0	851	45	11	43	25	21	842
C. fair	33	1	10	2	20	5	50	2	20	838	32	10	20	50	20	838	21	3	27	35	35	834
D. poor	3	0	0	0	0	0	0	1	100	810	3	0	0	0	100	810	5	2	14	30	54	828
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	27	2	25	4	50	2	25	0	0	854	29	22	56	22	0	854	28	23	41	21	15	848
B. They match some of what I have learned.	57	4	24	7	41	5	29	1	6	849	55	24	41	29	6	849	52	13	40	25	21	843
C. They match just a little of what I have learned.	7	0	0	1	50	1	50	0	0	840	6	0	50	50	0	840	16	8	28	30	34	836
D. There is no match.	10	0	0	0	0	0	0	3	100	816	10	0	0	0	100	816	4	5	15	22	58	826
How difficult was the mathematics part of this test?																						
A. more difficult than my regular schoolwork	43	2	15	6	46	3	23	2	15	845	42	15	46	23	15	845	32	6	34	29	32	837
B. about the same as my regular schoolwork	43	3	23	4	31	5	38	1	8	847	45	21	36	36	7	847	52	13	41	25	20	843
C. easier than my regular schoolwork	13	1	25	2	50	0	0	1	25	850	13	25	50	0	25	850	16	39	35	13	13	853
How hard did you try on the mathematics part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	43	1	8	6	46	5	38	1	8	845	42	8	46	38	8	845	42	12	38	26	25	841
B. I tried about the same as I do on my regular schoolwork.	57	5	29	6	35	3	18	3	18	848	58	28	39	17	17	848	52	17	39	23	20	845
C. I did not try as hard on this test as I do on my regular schoolwork.	0										0						7	12	27	27	35	837
How often do you use calculators in mathematics class?																						
A. almost every day	53	3	19	11	69	1	6	1	6	853	55	18	71	6	6	853	34	18	40	22	20	845
B. two or three days a week	33	3	30	1	10	6	60	0	0	847	32	30	10	60	0	847	35	14	38	26	21	843
C. two or three times each month	3	0	0	0	0	0	0	1	100	818	3	0	0	0	100	818	18	12	37	27	24	841
D. never or almost never	10	0	0	0	0	1	33	2	67	819	10	0	0	33	67	819	13	9	32	25	34	837
How often do you use laptops in mathematics class?																						
A. almost every day	13	2	50	2	50	0	0	0	0	864	13	50	50	0	0	864	9	13	38	23	26	841
B. two or three days a week	23	0	0	5	71	1	14	1	14	847	23	0	71	14	14	847	17	11	37	26	26	841
C. two or three times each month	30	3	33	3	33	2	22	1	11	847	32	30	40	20	10	847	28	15	40	25	20	844
D. never or almost never	33	1	10	2	20	5	50	2	20	839	32	10	20	50	20	839	46	16	36	24	23	843
How do you feel about the following statement? "My knowledge of mathematics will be useful to me as an adult."																						
A. strongly agree	37	4	36	5	45	1	9	1	9	854	39	33	50	8	8	854	52	19	41	22	18	846
B. agree	47	2	14	7	50	4	29	1	7	847	45	14	50	29	7	847	39	11	35	27	27	840
C. disagree	13	0	0	0	0	3	75	1	25	830	13	0	0	75	25	830	6	7	28	26	39	835
D. strongly disagree	3	0	0	0	0	0	0	1	100	822	3	0	0	0	100	822	3	4	25	28	43	832
Optional school/SAU question																						
A.	33	0	0	1	100	0	0	0	0	856	33	0	100	0	0	856						
B.	33	0	0	0	0	0	0	1	100	822	33	0	0	0	100	822						
C.	0										0											
D.	33	0	0	0	0	0	0	1	100	810	33	0	0	0	100	810						

SCIENCE RESULTS

Test Date: March 2009
Grade: 8
SAU: Mechanic Falls School Dept
School: Elm Street School-Mechanic Fal

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (Scaled Score 862–880)	2008-2009*	7	23	7	23	2155	15
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (Scaled Score 842–860)	2008-2009*	14	47	15	48	6687	47
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (Scaled Score 828–840)	2008-2009*	5	17	5	16	3672	26
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems. Explanations are illogical, incomplete, or missing. There are many inaccuracies. (Scaled Score 800–826)	2008-2009*	4	13	4	13	1749	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Science Total Points	56	100	33.8	60.4	33.8	60.4	32.0	57.1
D. The Physical Setting	31	55	18.1	58.4	18.2	58.7	17.1	55.2
D1/D2 Earth/Space	17	30	9.7	57.1	9.6	56.5	9.4	55.3
D3/D4 Matter and Energy/Force and Motion	14	25	8.4	60.0	8.5	60.7	7.7	55.0
E. The Living Environment	25	45	15.7	62.8	15.6	62.4	14.9	59.6

The MEA assesses students’ science knowledge based on questions that measure the science accountability content standards highlighted in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard D. The Physical Setting
D1 - Universe and Solar System
D2 - Earth
D3 - Matter and Energy
D4 - Force and Motion

Content Standard E. The Living Environment
E1 - Biodiversity
E2 - Ecosystems
E3 - Cells
E4 - Heredity and Reproduction
E5 - Evolution

SCIENCE RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 8
 SAU: Mechanic Falls School Dept
 School: Elm Street School-Mechanic Fal

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	30	7	23	14	47	5	17	4	13	849	31	23	48	16	13	849	14263	15	47	26	12	846
Ethnicity																						
African American/Black	0										0						360	4	31	35	30	835
American Indian or Native Alaskan	0										0						114	8	39	31	22	839
Asian or Pacific Islander	0										0						230	20	44	23	13	848
Hispanic	0										0						184	9	45	29	16	842
Caucasian/White	30	7	23	14	47	5	17	4	13	849	31	23	48	16	13	849	13375	15	47	25	12	846
Not Reported	0										0						0					
Identified disability																						
Yes	5	0	0	2	40	2	40	1	20	838	5	0	40	40	20	838	2221	3	22	36	38	832
No	25	7	28	12	48	3	12	3	12	851	26	27	50	12	12	851	12042	17	51	24	7	848
Current LEP																						
Yes	0										0						331	4	20	39	37	832
No	30	7	23	14	47	5	17	4	13	849	31	23	48	16	13	849	13932	15	48	25	12	846
Economically disadvantaged																						
Yes	12	2	17	6	50	2	17	2	17	846	13	15	54	15	15	846	5184	6	40	33	21	840
No	18	5	28	8	44	3	17	2	11	851	18	28	44	17	11	851	9079	20	51	21	8	849
Migrant																						
Yes	0										0						5	0	0	80	20	829
No	30	7	23	14	47	5	17	4	13	849	31	23	48	16	13	849	14258	15	47	26	12	846
Gender																						
Female	13	2	15	8	62	2	15	1	8	848	14	14	64	14	7	848	6953	14	47	28	11	846
Male	17	5	29	6	35	3	18	3	18	850	17	29	35	18	18	850	7310	16	46	24	13	846
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	2										2						828	5	35	40	20	839
No	28	7	25	13	46	4	14	4	14	850	29	24	48	14	14	850	13435	16	48	25	12	846
Gifted/talented program																						
Yes	4										4						699	65	34	2	0	865
No	26	3	12	14	54	5	19	4	15	846	27	11	56	19	15	846	13564	13	48	27	13	845

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 8
SAU: Mechanic Falls School Dept
School: Elm Street School-Mechanic Fal

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	10	0	0	1	33	0	0	2	67	836	10	0	33	0	67	836	8	8	34	28	30	837
B. less than one hour	77	6	26	12	52	5	22	0	0	852	74	26	52	22	0	852	51	14	48	27	11	846
C. one to two hours	10	1	33	1	33	0	0	1	33	845	13	25	50	0	25	846	36	19	48	24	9	848
D. more than two hours	3	0	0	0	0	0	0	1	100	826	3	0	0	0	100	826	5	17	49	20	14	847
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	27	2	25	2	25	2	25	2	25	845	26	25	25	25	25	845	23	27	47	17	8	851
B. good	50	4	27	9	60	2	13	0	0	853	48	27	60	13	0	853	53	15	50	26	10	847
C. fair	17	0	0	3	60	1	20	1	20	841	19	0	67	17	17	842	20	4	43	35	18	840
D. poor	7	1	50	0	0	0	0	1	50	850	6	50	0	0	50	850	4	4	27	34	35	834
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	40	2	17	5	42	2	17	3	25	846	42	15	46	15	23	846	26	20	49	23	9	849
B. They match some of what I have learned.	53	5	31	8	50	3	19	0	0	853	52	31	50	19	0	853	51	14	48	26	11	846
C. They match just a little of what I have learned.	3	0	0	1	100	0	0	0	0	850	3	0	100	0	0	850	18	13	44	28	15	844
D. There is no match.	3	0	0	0	0	0	0	1	100	826	3	0	0	0	100	826	4	5	33	30	32	836
How difficult was the science part of this test?																						
A. more difficult than my regular schoolwork	30	0	0	3	33	3	33	3	33	837	32	0	40	30	30	838	32	13	45	28	14	844
B. about the same as my regular schoolwork	57	7	41	8	47	1	6	1	6	856	55	41	47	6	6	856	56	15	49	25	11	847
C. easier than my regular schoolwork	13	0	0	3	75	1	25	0	0	848	13	0	75	25	0	848	11	21	43	22	13	847
How hard did you try on the science part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	53	2	13	8	50	3	19	3	19	846	52	13	50	19	19	846	39	14	47	27	12	845
B. I tried about the same as I do on my regular schoolwork.	43	5	38	5	38	2	15	1	8	854	45	36	43	14	7	853	55	17	48	25	10	847
C. I did not try as hard on this test as I do on my regular schoolwork.	3	0	0	1	100	0	0	0	0	842	3	0	100	0	0	842	6	8	36	29	26	839
Which courses do you plan to take before you graduate from high school?																						
A. earth and space science and/or biology	23	0	0	4	57	2	29	1	14	841	23	0	57	29	14	841	26	9	48	29	14	844
B. the course(s) described in A, plus chemistry	20	3	50	1	17	1	17	1	17	853	19	50	17	17	17	853	23	17	49	22	12	847
C. the course(s) described in B, plus physics	27	2	25	5	63	0	0	1	13	852	26	25	63	0	13	852	21	31	44	17	7	852
D. a life science and physical science class	30	2	22	4	44	2	22	1	11	851	32	20	50	20	10	850	30	7	46	32	14	842
How well does the following statement reflect your future goals? "I am interested in a career related to science, technology, engineering, or mathematics."																						
A. strongly agree	17	3	60	0	0	1	20	1	20	856	17	60	0	20	20	856	27	23	47	20	10	849
B. agree	38	4	36	6	55	1	9	0	0	856	37	36	55	9	0	856	37	14	47	27	12	846
C. disagree	34	0	0	5	50	3	30	2	20	841	37	0	55	27	18	842	25	11	48	29	12	845
D. strongly disagree	10	0	0	2	67	0	0	1	33	840	10	0	67	0	33	840	11	9	44	31	17	842
How do you feel about the following statement? "My knowledge of science will be useful to me as an adult."																						
A. strongly agree	30	4	44	3	33	1	11	1	11	856	29	44	33	11	11	856	31	22	46	22	10	849
B. agree	53	3	19	8	50	3	19	2	13	848	55	18	53	18	12	848	50	14	49	26	11	846
C. disagree	10	0	0	2	67	1	33	0	0	845	10	0	67	33	0	845	14	9	45	31	15	843
D. strongly disagree	7	0	0	1	50	0	0	1	50	834	6	0	50	0	50	834	5	3	38	34	25	837
Optional school/SAU question																						
A.	33	0	0	0	0	0	0	1	100	824	33	0	0	0	100	824						
B.	33	0	0	0	0	0	0	1	100	820	33	0	0	0	100	820						
C.	0										0											
D.	33	0	0	0	0	0	0	1	100	826	33	0	0	0	100	826						

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
N = Number